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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/764,438	01/27/2004	Kenji Shiraishi	248078US2	8684
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET			EXAMINER	
			PETERSON, CHRISTOPHER K	
ALEXANDRIA, VA 22314		ART UNIT	PAPER NUMBER	
			2622	
			NOTIFICATION DATE	DELIVERY MODE
			04/03/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

		Application No.	Applicant(s)
		10/764,438	SHIRAISHI ET AL.
	Office Action Summary	Examiner	Art Unit
		CHRISTOPHER K. PETERSON	2622
7 Period for F	The MAILING DATE of this communication app Reply	pears on the cover sheet with the c	orrespondence address
A SHOR WHICHE - Extensior after SIX - If NO per - Failure to Any reply	TENED STATUTORY PERIOD FOR REPLEVER IS LONGER, FROM THE MAILING DESTRUCTION OF THE MAILING OF THE MAILING DESTRUCTION OF THE MAIL	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status			
2a)⊠ Th 3)⊡ Sii	esponsive to communication(s) filed on <u>20 D</u> his action is FINAL . 2b) This nee this application is in condition for allowards and in accordance with the practice under E	action is non-final. nce except for formal matters, pro	
Disposition	of Claims		
4a) 5)□ Cla 6)⊠ Cla 7)⊠ Cla	aim(s) is/are pending in the application of the above claim(s) is/are withdrawaim(s) is/are allowed. aim(s) is/are allowed. aim(s) is/are rejected. aim(s) 2,4,6,8,10 and 12 is/are objected to. aim(s) are subject to restriction and/or	wn from consideration.	
Application	Papers		
10)∐ The Ap Re	e specification is objected to by the Examine drawing(s) filed on 16 August 2004 is/are: plicant may not request that any objection to the eplacement drawing sheet(s) including the correct coath or declaration is objected to by the Examine.	a)⊠ accepted or b)⊡ objected t drawing(s) be held in abeyance. See tion is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).
Priority und	ler 35 U.S.C. § 119		
a)⊠ / 1.[2.[3.[Certified copies of the priority document Certified copies of the priority document	s have been received. s have been received in Application in the second	on No ed in this National Stage
Attachment(s)			
2) Notice of 3) Informati	References Cited (PTO-892) Draftsperson's Patent Drawing Review (PTO-948) On Disclosure Statement(s) (PTO/SB/08) O(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte

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9DETAILED ACTION

Response to Amendment

1. The Amendment After Non-Final Rejection filed on December 20, 2007 has been received and made of record. Examiner notes that the Applicant has amended the Title, Abstract, Figure 2, and Claims 1 and 9. Therefore the Examiner withdraws the objection to the specification and drawings and the rejections under 35 USC 101 and 35 USC 112. Claim 13 has been cancelled and claims 1, 5, and 9 are amended. Claims 1, 2, 4 - 6, 8 - 10, 12 are pending in this application.

Response to Arguments

2. Applicant's arguments with respect to claims 1, 5, and 9 have been considered but are most in view of the new ground(s) of rejection.

Claim Objections

3. Claims 2, 4, 6, 8, 10, and 12 are objected to because of the following informalities:

Claims 2, 4, 6, 8, 10, and 12 recite the limitation "said image pick up device control part". There is insufficient antecedent basis for this limitation in the claims.

Appropriate correction is required.

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Claim Rejections - 35 USC § 102

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

5. Claims 1, 2, 4 - 6, 8 - 10, and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakakuki (US Patent # 6,822,689).

As to claim1, Nakakuki (Fig. 1) teaches an imaging apparatus comprising:

- a setup part (timing control circuit 3) for an exposure period (D) configured to generate a timing signal (VD HD and ST) which prescribes an exposure period of an image pick up device (CCD 1) (Col. 3, line 53 – Col. 4, line 4);
- a control part (integration circuit 11, exposure determination circuit 12, updown counter 13, and timing calculation circuit 14) for the image pickup device (1) configured to control an operation of said image pick up device (1) in synchronization with said timing signal (VD signal) of the exposure period (Col. 4, lines 5 35);
- a timing part (counter 17) configured to measure an elapsed time from the timing signal of the exposure period (Col. 4, line 54 – Col. 5, line 9);
- an imaging apparatus control part (selection circuit 15) configured to control said control part (11, 12, 13, and 14) for the image pick up device
 (1) and said setup part (3) for the exposure period (Col. 4, line 54 Col. 5, line 9),

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wherein said timing part (17) measures an elapsed time from the exposure period timing signal (VD signal) right before a beginning of an exposure setup operation (response to activation of the imaging apparatus) to the beginning of the exposure setup operation by said setup part (3) for the exposure period (D), and when a time from the beginning of the exposure setup operation (response to activation of the imaging apparatus) to a generation of a next exposure period timing signal, the time being calculated by using the measured elapsed time (SC from counter 17), is equal to or greater than a predetermined time, said imaging apparatus control part (15) shortens the time till the generation of the next exposure period timing signal from a regular exposure period (Col. 4, line 54 – Col. 5, line 9).

Nakakuki teaches the counter may be reset in response to a trigger supplied in response to a switch which is operated by an operator of the imaging apparatus (Col. 5, lines 23 – 26). Examiner believes the trigger is an image capture button. This trigger resets the counter (17), which provides a signal (SC) to the selection circuit (15). The signal (SC) changes state after a predetermined value. The selection circuit (15) uses the signal (D2) from the timing calculation circuit (14) until the predetermined value; the signal (D1) from up/down counter is used. The value is latched in the latch (16). The exposure information signal (D) is input into the timing control circuit (3) (Col. 4, line 54 – Col. 5, line 9).

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As to claim 2, Nakakuki teaches the imaging apparatus according to claim 1, wherein said predetermined time is a time required for conducting the exposure setup to said control part (11, 12, 13, and 14) for the image pick up device (1) (Col. 4, line 54 – Col. 5, line 9).

As to claim 4 Nakakuki teaches the imaging apparatus according to claim 1, wherein in order to shorten the time till the generation of the exposure period timing (D1), the exposure period timing signal is generated earlier than the regular exposure period (D2), right after the exposure setup to said control part (11, 12, 13, and 14) for the image pick up device (1), and the exposure period is thereby begun (Col. 4, line 54 – Col. 5, line 9).

As to claims 5, 6, and 8, these claims differ from claim 1, 2, and 4 only in that claims 1, 2, and 4 are apparatus claims whereas claim 5, 6, and 8 are method. Thus method claims 5, 6, and 8 are analyzed as previously discussed with respect to claims 1, 2, and 4 above.

As to claims 9, 10, and 12, these claims differ from claim 1, 2, and 4 only in that claims 1, 2, and 4 are apparatus claims whereas claims 9, 10, and 12 cite a limitation of a control program on a computer readable memory which provides the imaging apparatus the ability to provide the function of the claims 1, 2, and 4. Nakakuki teaches a solid state imaging apparatus, which requires a processor to perform the functions of the CCD. (Col. 3, lines 49 - 52).

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Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTOPHER K. PETERSON whose telephone number is (571)270-1704. The examiner can normally be reached on Monday - Friday 6:30 - 4:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, NgocYen Vu can be reached on 571-272-7320. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CKP/TH 19 March 2008

> /Ngoc-Yen T. VU/ Supervisory Patent Examiner, Art Unit 2622